# Model #: SU3000RTXL3UHV

**SmartOnline Expandable Rack / Tower UPS System - Online, double-conversion protection for mission critical applications**

## Highlights

- 3000VA online 3U expandable rack / tower UPS
- Enhanced serial communications port and SNMP/Web card slot
- Maintains output within 2% of selectable 200/208/220/230/240V nominal during overvoltages to 275 and brownouts as low as 130V
- 8 outlets (6-15/20, L6-20)
- Fault tolerant auto-bypass
- $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

## Description

Tripp Lite's high voltage Smart Online SU3000RTXL3UHV on-line, double conversion UPS protects critical server, networking or telecommunications equipment from blackouts, voltage fluctuations and surges. Multi-use form factor occupies only 3 rack spaces (3U) in standard 19 inch rackmount configuration and includes tower stands to support upright placement. Large capacity 3kVA/2400 watt UPS continuously converts incoming AC to DC, then back to perfect sine wave AC output at selectable 200/208/220/230/240V AC (+/-2%) output. Removes harmonic distortion, fast electrical impulses, frequency fluctuations and other hard-to-solve power problems not addressed by other UPS types. True sine wave output and zero transfer time offers guaranteed compatibility with all high-voltage equipment types. Includes 6 outlets arranged in two individually switchable load banks plus 2 L6-20 outlets. These outlet banks can be independently controlled via software interface to selectively reboot remote equipment, or shed less critical loads to extend battery runtime for more critical equipment. Battery support can be extended indefinitely through the addition of external 2U or 3U rackmount battery packs (part# BP72V15-2U limit 1/BP72V28-3U multi-pack compatible). Includes slot for internal SNMP/web card, plus DB9 enhanced serial monitoring port for unattended shutdown, remote control and monitoring of UPS system and power data. Compatible with Tripp Lite's WatchDog™ Service Monitoring/Reboot Software.

Applications

- Ideal for protection of critical high-voltage equipment in server rooms, internetworking closets and telecommunications systems in rackmount or tower applications. Common applications include corporate or departmental servers, workstations, hubs, routers, bridges, CAD/CAM workstations, concentrators, IP telephony and traditional PBX switching systems.

Package Includes

- SU3000RTXL3UHV Rack-Tower UPS System
- PowerAlert Software and cabling
- Mounting hardware for 4 post rackmount enclosures/tower stands included
- Warranty information
- Instruction manual

## Features

- True on-line, double conversion UPS provides pure, sine wave AC output at all times
- Maintains continuous operation through blackouts, voltage fluctuations and surges with zero transfer time

- Removes harmonic distortion, electrical impulses, frequency variations and other hard to solve power problems
- Accepts input voltages between 160 and 275 (130 to 275 at loads under 70%), regulating output to selectable 200/208/220/230/240V +/-2%
- 3000VA/2400 watt power capacity with 8 total outlets (6 NEMA6-15/20R & 2 NEMAL6-20R)
- Standard internal battery set provides 14 minutes runtime at half load
- Expandable runtime with multiple external battery packs (part# BP72V15-2U limit 1/BP72V28-3U multi-pack compatible)
- Innovative design makes unit adaptable for rackmount, tower, or stacking applications
- Uses only 3 rack spaces (3U) in standard 19 inch rack
- DB9 serial port for network interface; SNMP compatible
- Slot for optional SNMP/web card (part# SNMPWEBCARD)
- PowerAlert unattended shutdown software and 6 ft. network cable included
- Compatible with Tripp Lite's Watchdog Service Monitoring/Reboot Software
- Fault tolerant auto-bypass maintians continuous utility output to connected equipment, even in cases where the UPS is overloaded or suffers an internal failure that requires service
- Diagnostic LEDs
- Battery replacement door
- Mounting hardware included for 4 post rack enclosures, 2 post telecom rack compatible with separate purchase 2POSTRMKITWM accessory
- $250,000 Ultimate Lifetime connected equipment insurance
- 2 year manufacturer's product warranty

## Specifications

| SYSTEM OVERVIEW | |
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| Voltage compatibility | 208V AC |
| Frequency compatibility | 50/60 Hz compatible |
| **OUTPUT** | |
| Output VA | 3000 |
| Output watts | 2400 |
| Output nominal voltage | 208V AC (200/220/230/240V) |
| Output voltage regulation | Maintains full-time sine wave output within 2% of selected nominal voltage, less than 5% total harmonic distortion |
| Output frequency regulation | Regulates line frequency to 50/60Hz +/- 0.05Hz |
| Outlet quantity / type | 6 NEMA 6-15/20R, 2 NEMA L6-20R |
| Customized load management receptacles | 2 individually controllable load banks support load shedding and remote reboot on demand of locked network devices. Controllable via PowerAlert software to switch off optional loads, like monitors, to increase available runtime for servers and other critical devices. (Bank A consists of 4 outlets / Bank B consists of 2 outlets) |
| Overload protection | Via 25A input breaker |
| **INPUT** | |
| Maximum input amps | 14.9 / 14.3 / 13.1 / 12.6 / 12.1 Amps (depending on voltage) / 2844 watts |
| Input connection type | NEMA L6-20P |
| Input cord length | 10 ft. 14 gauge |
| Recommended Electrical Service | 15A 200-240V |
| **BATTERY** | |
| Full load runtime | Internal batteries — 5 min. (3000VA) |
| Half load runtime | Internal batteries — 14 min. (1500VA) |

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| **Expandable battery runtime** | Supports extended runtime with optional external battery pack BP72V15-2U (limit 1), BP72V28-3U (multi-pack compatible) |
| **DC system voltage** | 72 V DC |
| **Typical battery lifespan** | 3-6 years, depending on usage |
| **Battery recharge rate** | 2-4 hours to 90% |

**VOLTAGE REGULATION**

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| **Voltage regulation description** | On-line, double-conversion power conditioning maintains output within 2% of 200/208/220/230/240 volts at all times |
| **Overvoltage correction** | Maintains output during overvoltages to 275V AC |
| **Brownout correction** | Maintains output during undervoltages to 160V AC |
| **Severe brownout correction** | At load levels less than 70%, UPS maintains output during undervoltages to 130V AC |

**LEDS ALARMS & SWITCHES**

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| **Front panel LEDs** | 6 LED STATUS DISPLAY: line power (green), online (green), bypass (yellow), on battery (green), overload (red), battery low (yellow)<br>4 LED LOAD / BATTERY LEVEL DISPLAY (100%, 75%, 50%, 25%) |
| **Alarms** | Multi-function audible alarm offers notification of UPS start, backup operation, low battery warning, overload, UPS fault and remote shutdown |
| **Switches** | Includes main power off/on switch, plus 1 switch to select battery charge / load level display |

**SURGE / NOISE SUPPRESSION**

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| **AC surge suppression** | 2670 joules |
| **AC suppression response time** | Instantaneous |
| **EMI / RFI AC noise suppression** | Yes |

**PHYSICAL**

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| **Shipping weight (lbs)** | 90.3 |
| **Shipping weight (kg)** | 41.0 |
| **Shipping Dimensions (HWD/in)** | 13.3 x 23.8 x 25.7 |
| **Shipping Dimensions (HWD/cm)** | 33.8 x 60.5 x 65.3 |
| **Unit weight (lbs)** | 74.9 |
| **Unit weight (kg)** | 34.0 |
| **Unit Dimensions (HWD/in)** | 5.2 x 17.3 x 19.8 |
| **Unit Dimensions (HWD/cm)** | 13.3 x 44.5 x 50.3 |
| **Material of construction** | Steel |
| **Form factors supported** | Rack (3U) |
| **Cooling method** | Built-in cooling fan |

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| **Battery Access** | User replaceable, hot swap battery replacement supported via front access panel |

**ENVIRONMENTAL**

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| **Relative Humidity** | 0 to 95%, non-condensing |
| **Storage Temperature** | +5 to +122 degrees Fahrenheit |
| **Operating Temperature** | +32 to +104 degrees Fahrenheit |
| **Line mode BTU/hr. (Max.)** | 1117 btu/hr. (88% efficiency line mode) |
| **Battery mode BTU/hr. (Max.)** | 1224 btu/hr. (87% efficiency battery mode) |

**COMMUNICATIONS**

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| **Network monitoring port** | One built-in DB9 port offers both enhanced RS-232 enabled monitoring data, plus contact closure basic monitoring capability |
| **Software and cabling included** | Yes, includes PowerAlert software CD-ROM and complete cabling |
| **SNMP compatibility** | Yes, includes slot for optional SNMPWEBCARD accessory (#SNMPWEBCARD) |
| **WatchDog compatibility** | Yes, compatible with Tripp Lite's Watchdog Monitoring/Rebooting Service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment |

**LINE / BATTERY TRANSFER**

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| **Transfer time from line power to battery mode** | Zero, online UPS continuously converts incoming AC to DC, then back to AC. When commercial power is interrupted, UPS maintains continuous output from battery reserves with absolutely no disruption in output AC power. |
| **Low voltage transfer to battery power** | Maintains continuous operation during undervoltages as low as 160V (130V at load levels under 70%). Below this switchover point, output is supported from battery derived AC power. |
| **High voltage transfer to battery power** | Maintains continuous operation without using battery power during overvoltages to 275V. Above this point, output is supported from battery derived AC power. |

**SPECIAL FEATURES**

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| **EPO port** | Supports "Emergency Power Off" via special-order cabling, contact Tripp Lite for more information |
| **Cold Start** | Yes, inverter can be "cold started" to enable temporary AC output during a power failure |
| **Appearance** | Attractive black steel rackmount housing |

**BATTERY PACK ACCESSORY (optional)**

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| **Battery Pack Accessory (optional)** | BP72V15-2U (limit 1), BP72V28-3U (multi-pack compatible) |

**CERTIFICATIONS**

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| **Certifications** | Tested to UL1778 (USA), cUL (Canada), FCC Class A (emissions), NOM (Mexico) |

**WARRANTY**

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| **Product Warranty Period** | 2 year product warranty |
| **Connected Equipment Coverage** | $250,000 connected equipment insurance (USA and Canada only) |
| **Optional Coverage** | 3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information. |

## Related Items

**Extended Warranties**

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|---|---|---|
| WEXT3-2200-3000 | 3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA | Qty: [optional] |

| WEXT5-2200-3000 | 5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA or less | Qty: [optional] |
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**External Battery Packs**

| BP72V15-2U | BP72V15-2U - External Battery Pack for UPS System | Qty: [optional] |
|---|---|---|
| BP72V28RT-3U | BP72V28RT-3U - External Battery Pack for UPS System | Qty: [optional] |

**Power Distribution**

| PDU12IEC | Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment | Qty: [optional] |
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**Rackmount/Wallmount Kits**

| 2POSTRMKITWM | Universal 2-Post Rackmount Kit (Supports 2U to 4U UPS systems and battery packs.) | Qty: [optional] |
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**Shutdown Cable Kits**

| AS400CABLE KIT | Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers | Qty: [optional] |
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**SNMP Accessories**

| ENVIROSENSE | Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.) | Qty: [optional] |
|---|---|---|
| SNMPWEBCARD | For remote monitoring and control via SNMP, Web or telnet. | Qty: [optional] |

**Surge Protectors**

| DTEL2 | Network Surge Suppressor - Essential protection for data and communication lines | Qty: [optional] |
|---|---|---|
| DNET1 | Network Surge Suppressor - Essential protection for data and communication lines | Qty: [optional] |
| DCATV | Network Surge Suppressor - Essential protection for TV/VCR coaxial lines | Qty: [optional] |

More information, including related products, owner's manuals, and additional technical specifications, can be found online at

www.tripplite.com/en/products/model.cfm?txtModelID=2568.